

3.6 MOTORCYCLE INVOLVEMENT

This section presents a series of data displays which describe motorcycle involvement in Missouri's traffic crash experience. Motorcycle traffic crashes are defined as any crash in which one or more motorcycles were involved in the incident. Mopeds and all terrain vehicles (ATV's) are not considered motorcycles for the purpose of this analysis. Data displays also are provided in this section which identify characteristics of motorcycle drivers involved in traffic crashes.

2000 SUMMARY ANALYSIS

- Of all 2000 Missouri traffic crashes, 0.7% involved a motorcycle. Of all fatal traffic crashes, 4.2% involved a motorcycle. A total of 45 persons were killed and 1,236 were injured in motorcycle crashes.
- There was an increase of 7.4% in the rate of change when comparing total 2000 motorcycle traffic crashes with those in 1999. There was an increase of 20.0% when comparing fatal 2000 motorcycle crashes with 1999.
- In 2000, one person was killed or injured in a motorcycle traffic crash every 6.9 hours in the State of Missouri.
- Of all 2000 motorcycle crashes, the first harmful event in 46.4% of the cases involved one motor vehicle in transport striking another motor vehicle in transport. In 25.5% of the cases, it involved a motor vehicle overturning. In fatal motorcycle traffic crashes, 45.2% of the cases involved a motor vehicle striking a fixed object.
- Of all 2000 motorcycle traffic crashes, 50.3% occurred in urban regions of the State and 49.7% occurred in rural areas. However, in fatal motorcycle crashes, 78.6% occurred in a rural area.
- Of all motorcycle drivers involved in traffic crashes, 96.0% were male and 4.0% were female. The average age of motorcyclists was 36.7 years.
- Motorcycle drivers were speeding in 47.6% of all fatal motorcycle involved traffic crashes and their drinking was a causative factor in 26.2% of these crashes.
- Of those motorcyclists involved in 2000 traffic crashes who wore a helmet, 27.9% were either killed or received a major disabling injury. Of those not wearing helmets, 42.0% were either killed or received a major disabling injury.

2000 MISSOURI TRAFFIC CRASHES
MOTORCYCLE INVOLVEMENT

	FATAL	%	PERSONAL INJURY	PROPERTY DAMAGE	%	TOTAL	%	MOTORCYCLE DRIVERS/PASSENGERS²		
								KILLED	INJURED	TOTAL NUMBER¹
MOTORCYCLE INVOLVED	42	4.2	1,008	2.0	299	0.2	1,349	0.7	45	1,236
NO MOTORCYCLE INVOLVED	948	95.8	48,515	98.0	137,371	99.8	186,834	99.3	1,111	74,838
UNKNOWN³	1	-	192	-	5,402	-	5,595	-	1	254
TOTAL	991	100.0	49,715	100.0	143,072	100.0	193,778	100.0	1,157	76,328
									44	1,149

¹This statistic indicates the total number of persons killed and injured in a crash where one or more motorcycles were involved.

²This statistic indicates the number of motorcycle drivers and passengers killed and injured.

³Crashes were classified as unknown if the following conditions exist: none of the vehicles involved in the crash was a motorcycle and the body type of one or more vehicles involved in the crash was not known.

TABLE 3.6.1